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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE  
REQUEST FOR FILING NEW UTILITY PATENT APPLICATION UNDER 37 CFR 1.53(b)  
(Case No. P043D2C3C2)

To the Assistant Commission for Patents  
Washington, D.C. 20231

Sir:

Transmitted herewith for filing under 35 U.S.C. 111(a) and 37 C.F.R. §1.53(b) is a new utility patent application for:

Title: INTEGRATED CIRCUIT I/O USING A  
HIGH PERFORMANCE BUS INTERFACE

Inventors: Michael Farmwald  
Mark Horowitz

This application is a **CONTINUATION APPLICATION** of:

Inventors: Michael Farmwald  
Mark Horowitz

Ser. No.: 09/492,982

Art Unit: 2818

Filed: January 27, 2000

Examiner: T. Nguyen

Title: METHOD OF OPERATING A MEMORY  
DEVICE HAVING A VARIABLE DATA  
INPUT LENGTH

To effect the above-requested filing today:

1. Attached is a copy of the prior application as originally filed, including:  
 Specification, Claims, and Abstract (125 pages)  
 Drawings: 1 set of **formal** drawings having 14 sheets  
 Original Declaration and Power of Attorney (2 pages)
2. Incorporation by Reference: The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.

3. A Power of Attorney to Neil A. Steinberg, Reg. No. 34,735 is attached hereto and filed herewith. That Power of Attorney also revokes all other powers of attorney. Accordingly, kindly address all future communications to:

Neil A. Steinberg, Esq.  
Rambus Inc.  
4440 El Camino Real  
Los Altos, California 94022

Telephone No. 650-947-5325  
Facsimile No. 650-947-5001

4. The Examiner's attention is directed to both the second paragraph of guideline (2) in MPEP 609 and to the last paragraph of MPEP 2001.06(b) and to the submission in the prior application of the Information Disclosure Statements and document copies filed in Application Serial Nos. 09/252,997 and 09/492,982.

5.- Attached is a **PRELIMINARY AMENDMENT** which, among other things, cancels claims 1-150, and adds new claims 151-189. This Preliminary Amendment is to be entered BEFORE fee calculation.

6.

**FILING FEE**

(BASED ON THE NUMBER OF CLAIMS AS FILED AND CHANGED BY PRELIMINARY AMENDMENT)

Basic Fee . \$ 710.00

Additional Fees:

Surcharge for more than 20 total claims (9 \* \$18) . . . . . \$ 162.00

Surcharge for more than 3 independent claims (0 \* 80) . . . . \$ - 0 -

Surcharge for multiple dependent claims . . . . . \$ - 0 -

**Total Filing Fee** . \$ 872.00

7. Manner of Payment:

A check payable to the Commissioner of Patents and Trademarks, in the amount of \$\_\_\_\_\_ is enclosed as payment of the Total Filing Fee.

Please charge my Deposit Account No. 50-0998 in the amount of \$872.00 to cover the above fees. A duplicate copy of this sheet is enclosed.

The Commissioner is hereby authorized to charge any fees which may be required, or credit any overpayment to Deposit Account No. 50-0998. A duplicate copy of this sheet is enclosed.

Respectfully submitted,



Neil A. Steinberg  
Reg. No. 34,735  
650-947-5325

Date: Feb. 7, 2001

**EXPRESS MAIL CERTIFICATE OF MAILING**

JC971 U.S. PTO  
09/779296  
02/06/01

Express Mail" mailing label number: EK475091482US

Date of Deposit: February 8, 2001

I hereby certify that I am causing the paper(s) and/or fee(s) indicated below to be deposited with the United States Postal Service "Express Mail Post Office to Addressee" service on the date indicated above and that the paper(s) and/or fee(s) have been addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

Joe Moniz  
(Typed or printed name of person mailing paper(s) or fee(s))

  
(Signature of person mailing paper or fee)

Feb 8, 2001  
(Date signed)

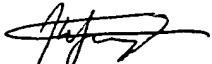
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Joe Moniz  
(Typed or printed name of person mailing paper(s) or fee(s))

  
(Signature of person mailing paper or fee)

Feb 8, 2001  
(Date signed)

Serial/Patent No.: Not Assigned Yet

Title: Integrated Circuit I/O Using a High Performance Bus Interface  
Atty. Docket No.: RA043D2C3C2

Filing/Issue Date: Herewith

Date Mailed: February 8, 2001

The following has been received in the U.S. Patent & Trademark Office on the date stamped hereon:

<input type="checkbox"/> Amendment/Response ( pgs.)	<input type="checkbox"/> Petition for Extension of Time ( month(s))
<input checked="" type="checkbox"/> Preliminary Amendment (14 pgs.+4 pgs.)	<input type="checkbox"/> Information Disclosure Statement & PTO 1449
<input type="checkbox"/> Application - Utility ( pgs., with cover and abstract)	<input type="checkbox"/> Issue Fee Transmittal
<input checked="" type="checkbox"/> Application - Rule 1.53(b) Continuation (125 pgs.+1 pg.)	<input type="checkbox"/> Submission of Formal Drawings
<input type="checkbox"/> Application - Rule 1.53(b) Divisional ( pgs.)	<input type="checkbox"/> Notice of Appeal
<input type="checkbox"/> Application - Rule 1.53(b) CIP ( pgs.)	<input type="checkbox"/> Appeal Brief ( pgs. in triplicate)
<input type="checkbox"/> Application - Rule 1.53(d) CPA ( pgs.)	<input type="checkbox"/> Reply Brief
<input type="checkbox"/> Application - PCT ( pgs.)	<input type="checkbox"/> Response to Notice of Missing Parts
<input type="checkbox"/> Application - Provisional ( pgs.)	<input checked="" type="checkbox"/> Transmittal Letter (in duplicate)
<input checked="" type="checkbox"/> Drawings (14 sheets)	<input type="checkbox"/> Fee Transmittal (in duplicate)
<input checked="" type="checkbox"/> Declaration & POA (2 pgs.)	<input checked="" type="checkbox"/> Itemized Postcard
<input type="checkbox"/> Assignment & Cover Sheet	<input type="checkbox"/> Certificate of Mailing
<input type="checkbox"/> Power of Attorney	<input checked="" type="checkbox"/> Express Mail No. EK475091482US
<input type="checkbox"/> Other Cross Reference Under 37 C.F.R. Sec.1.78	
<u>Request to Approve Drawing Changes (3 pgs.)</u>	

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE  
(Case No. RA043D2C3C2)

In the Application of: )  
FARMWALD ET AL. )  
Serial No: Continuation of 09/492,982 )  
Filed: Herewith )  
Title: MEMORY DEVICE HAVING A VARIABLE )  
DATA OUTPUT LENGTH (As Amended) )

Assistant Commissioner for Patents  
Washington, DC 20231

*Approved*  
*8/17/01*  
**REQUEST TO APPROVE DRAWING CHANGES**

Dear Sir:

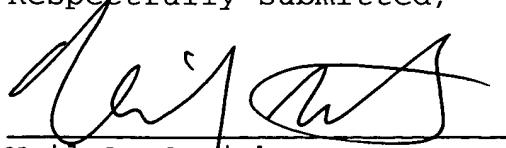
Attached hereto is new Figure 16. Figure 16 illustrates the internal registers which reside in each device illustrated in Figure 2. This embodiment is described in the specification at page 14, lines 3-21 and page 53 lines 4-21. No new matter has been added.

Applicants seek to amend Figure 10 to more fully reflect the discussion in the specification, specifically, page 55, line 12-16 and page 58, lines 13-23. Also attached, is a photocopy of Figure 10 with the proposed changes indicated in red. No new matter has been added.

Applicants respectfully request that the proposed new Figure 16 be approved by the Examiner. Applicants also respectfully request approval of the proposed changes to Figure 10. A new Figure 10 which incorporates the changes is also attached hereto.

Respectfully submitted,

Date: Feb 7, 2001

  
Neil A. Steinberg  
Reg. No. 34,735  
650-947-5325

X